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50X1-HUM

COUNTRY Hungary

REPORT

SUBJECT Ozd Metallurgical Works

DATE DISTR.

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NO. PAGES

1

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SOURCE EVALUATIONS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE.

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1.

Included is information on plant development and equipment, and a layout sketch with legend.

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Enclosure A

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COUNTRY: Hungary

DATE: 27 May 1957

SUBJECT: The Metallurgical Works of Ozd

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- Firm - Hung.*
1. The Metallurgical Works of Ozd (N 48-13, E 20-18) had three blast furnaces which were used in the production of pig iron. The pig iron came from Rudabanya (N 48-22, E 20-38), Hungary and the Soviet Union. The open-hearth process was used to convert the pig iron into steel. There were twelve 40-ton hearths in operation. The steel was moulded into ingots which were allowed to cool and then reheated and rolled into steel sheets.
 2. The foundry hall was enlarged in 1950; however, by summer 1951 work on the enlargement of the furnaces had not been completed and only one electric (steel) furnace was in operation.
 3. The works had a rough and a fine rolling mill. The rough rolling mill consisted of one block row (blooming mill), one shape row (structural mill), and one rail mill. The blooms made in the rough rolling mill were heated in the furnaces of the fine rolling mill. The fine rolling mill consisted of one bar row (bar mill), one wire row (wire mill), one sheet row, and one strip row (sheet and strip mill). The wire row of the fine rolling mill was automatic; the other rows were semiautomatic. The rough and the fine rolling mills had separate furnaces.
 4. In 1949 and 1950 an agglomeration unit was established and operated under the principles of the Grenewald (sic) system (based on ore smelting). This unit was built to enable the works to process the powdered Soviet ore which could not be used in blast furnaces in its original form.

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Enclosure A

5. The works also had a pickling unit which was built in 1950 to 1951 for military production purposes. [redacted]

[redacted] the unit was installed to produce artillery projectile casings.

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6. For a sketch of the installations at the Metallurgical Works of Ozd, see page 3. Following is the legend and the numbers in parentheses refer to the numbers on the sketch.

- (1) Scrap iron stockpile
- (2) Fireproof brick works
- (3) 760 mm railroad siding toward Borsodnadasd (N 48-08, E 20-15)
- (4) Road to Eger (N 47-38, E 20-39)
- (5) Plant housing area
- (6) Railroad station
- (7) Finished products stockpile
- (8) Fine rolling mill
- (9) Pickling unit
- (10) Engine house
- (11) Rough rolling mill
- (12) [redacted] furnaces
- (13) Foundry hall
- (14) [redacted] furnaces
- (15) Steel plant office
- (15) Ozd Coal Mining Trust office
- (17) Generators
- (18) Crude iron track spur
- (19) Power plant
- (20) Central office
- (21) 100 kv transformer station
- (22) Track spur to slag dumping ground
- (23) Cooling towers
- (24) Boiler
- (25) Blast furnaces engine house
- (26) Three blast furnaces
- (27) Charging area
- (28) Ore dumping
- (29) Agglomeration unit
- (30) Chimney stack
- (31) Slag brick works
- (32) Railroad to Banreve (N 48-18, E 20-21)

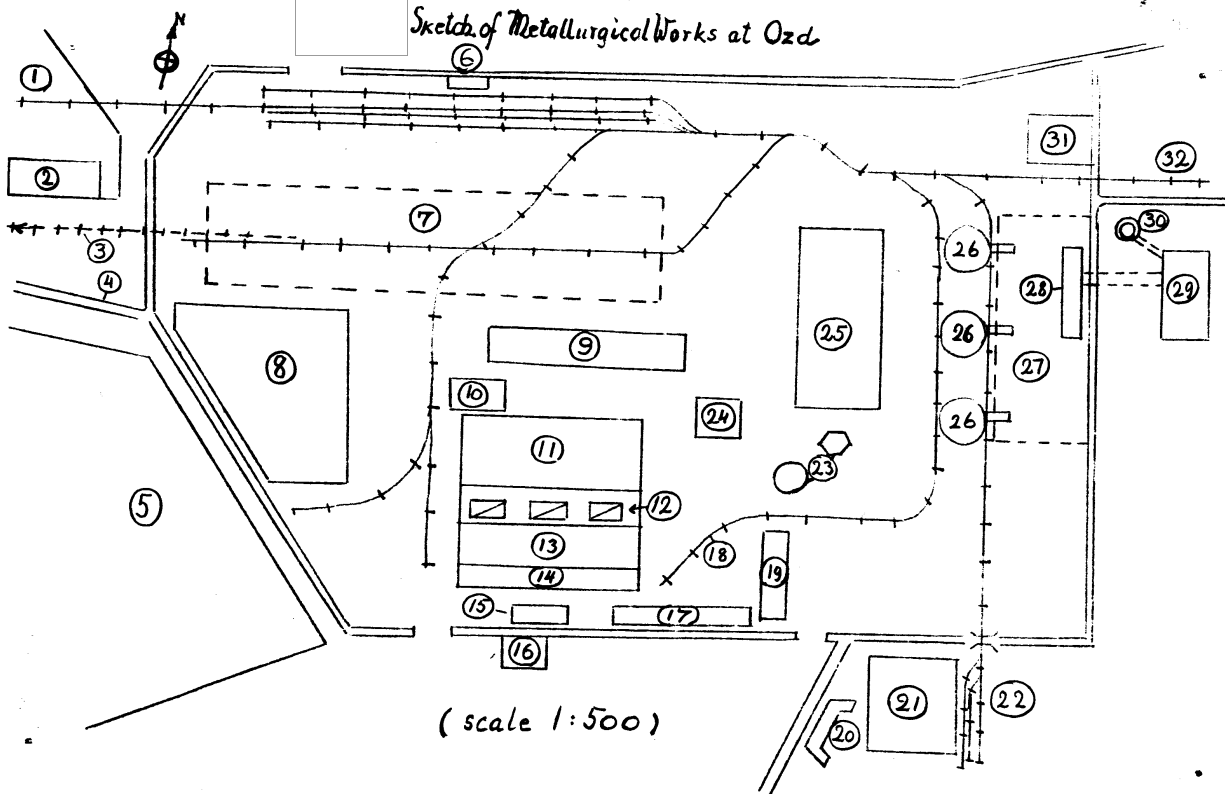
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Sketch of Metallurgical Works at Ozd



(scale 1:500)

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Enclosure A